

Our client's ref: AU91045  
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FINAL

#### ABSTRACT OF THE DISCLOSURE

A transflective liquid crystal device capable of balancing a color difference between a reflective region and a transmissive region. The arrangement conditions of optical elements in the transflective LCD are as follows. The twist angle of the liquid crystal is about  $40^\circ \sim 80^\circ$ . The angles  $\beta_{up}$ ,  $\beta_{down}$ ,  $\theta_{up}$  and  $\theta_{down}$  are about  $-20^\circ \sim -60^\circ$ ,  $-20^\circ \sim 20^\circ$ ,  $60^\circ \sim 110^\circ$ ,  $-30^\circ \sim 20^\circ$  respectively. The angle between the retardation axes of the upper  $\lambda/2$  plate and the upper  $\lambda/4$  plate is about  $30^\circ \sim 100^\circ$ , and the angle between the retardation axes of the lower  $\lambda/2$  plate and the lower  $\lambda/4$  plate is about  $30^\circ \sim 80^\circ$ .